### NORTH REGION OFFICE OF SURVEYS

### **QUALITY MANAGEMENT PLAN**

### FOR RIGHT OF WAY ENGINEERING

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- 2. OC/OA DESIGN BASED FLOWCHART FOR RWE.
- 3. QC/QA FLOWCHART OUTLINE FOR RWE ("Right of Way Project Flowchart Outline").
- 4. PROCESSES AND RELATED RIGHT OF WAY ENGINEERING PRODUCTS.
- 5. THE RIGHT OF WAY ENGINEERING QUALITY ASSURANCE CHECK LIST.
- 6. APPROVAL SHEETS FOR R/W APPRAISAL MAP COMPLETION.
- 7. RIGHT OF WAY ENGINEERING TABLE OF CONTENTS, Chapter 6 of the RIGHT OF WAY MANUAL.
- 8. RIGHT OF WAY ENGINEERING PROJECT RELATED ACTIVITIES, an alternative flowchart from RWE.
- 9. COMBINED RWE & SURVEYS PROJECT WORK FLOW DIAGRAM

### NORTH REGION OFFICE OF SURVEYS: RIGHT OF WAY ENGINEERING (RWE) QUALITY MANAGEMENT PLAN

**NORTH REGION OFFICE OF SURVEYS (NROS)/RIGHT OF WAY ENGINEERING** is a product and customer satisfaction driven division. In its efforts to attain a high level of quality assurance it finds its quality control elements bound to the integrity of its employees, who initiate and maintain the quality of the product, the **RIGHT OF WAY MANUAL (CHAPTER 6)**<sup>1</sup>, the laws embodied in the **CALIFORNIA LAND SURVEYORS ACT**, **SUBDIVISION MAP ACT**, **STREETS AND HIGHWAY CODE STATUTES**, and its internal processes built with redundancies and checklists from field surveys through office processing.

### GENERAL GUIDELINES FOR QUALITY CONTROL AND QUALITY ASSURANCE (QC/QA)

In broad scope, the NROS-RWE QC/QA program aims to ensure the following:

- That each task complies with the laws and regulations that govern the use of Federal, State, and local transportation funds;
- That each product meets the customer's needs and purposes, as defined in the **Task Order** and **Cost Estimate**;
- That a process for constructive feedback is implemented and contributes to satisfactory product delivery;
- And, that immunities established by law to protect the Department and its employees from liability are preserved.

These guidelines apply to all **Right of Way Engineering Tasks** including participation in the preparation of the Project Initiation Document (PID); and interactions with the other Caltrans Departments throughout the project, as right of way determinations, right of way surveys for delineation and monumentation, acquisitions and relinquishments, and deed and map preparation play a part through and after Construction.

As with any general guidelines, which must apply to a wide range of activities, NROS-RWE staff members are expected to use professional judgment in their application.

<sup>&</sup>lt;sup>1</sup> The **RIGHT OF WAY MANUAL** can be found at: http://www.dot.ca.gov/hq/row/rowman/manual. Chapter 6 is dedicated to Right of Way Engineering. Its index is appended to this document. It is continually updated as processes and technology change.

In its conception, **QC/QA** is not intended to be an additional layer of effort required to deliver a successful project. It is, simply or not, intended to be the norm that governs all activities, projects, and processes within **NROS**.

The more specific steps towards Quality Assurance, through Quality Control, are described, listed and appended below.

#### **IMPLEMENTING QUALITY ASSURANCE**

The policies and processes of **NROS-Right of Way Engineering** are developed and continually refined to ensure high quality in its project deliverables through a series of **Quality Control** measures. These policies and processes are applied throughout the product delivery process from project initiation to post-construction. These measures include, but are not limited to, the following:

- A well trained and experienced work force, which is dedicated to producing a high quality product;
- The RIGHT OF WAY MANUAL, Chapter 6, which specifies the procedures, documents, and attendant items for defining, locating, and mapping property, acquisitions and relinquishments, the SURVEYS MANUAL, which defines the technical aspects of surveying for land-net and right of way, and the aforementioned legal principles that govern surveys and mapping (also noted in Chapter 6).
- The RWE "Quality Assurance Check List" with its well defined quality control checkpoints<sup>2</sup>;
- Feedback from the customers, including the other CALTRANS divisions and the public;
- •The daily interaction of the staff, to inform, critique and improve current practices.

The more specific steps to Quality Assurance through Quality Control are contained in NROS-RWE and Departmental checklists and flowcharts, of which the pertinent ones are described and appended below.

#### APPENDED CHECKLISTS AND ASSOCIATED DOCUMENTS

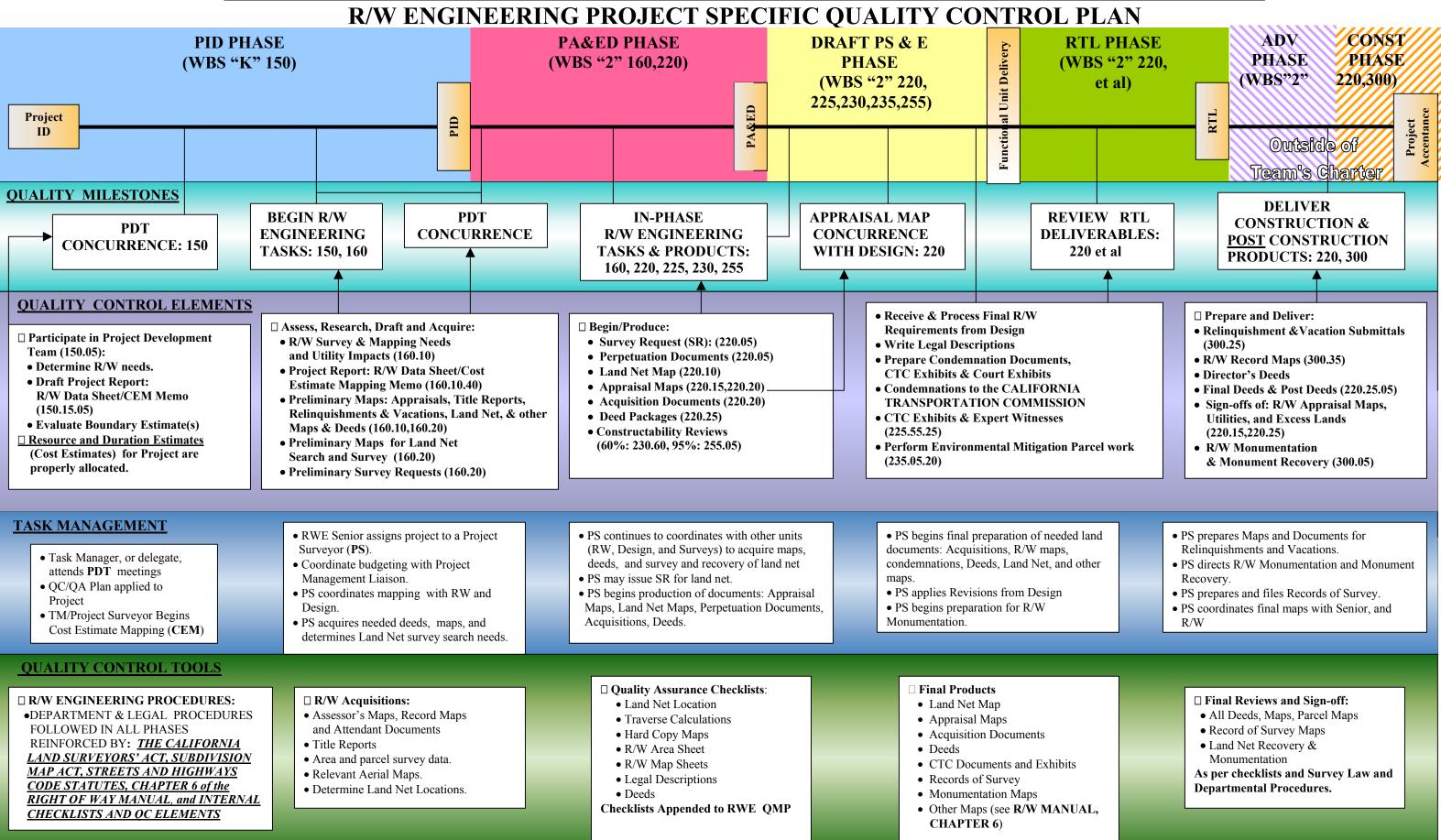
The following documents are appended:

- 1. "QC/QA DESIGN BASED FLOWCHART FOR RIGHT OF WAY ENGINEERING", which is the base flowchart document for the QMP
- 2. "QC-QA FLOWCHART OUTLINE", which is an outline of the materials within the QC/QA Flowchart ("1" above).

<sup>&</sup>lt;sup>2</sup> The checkpoints are defined by the checklists and job flow charts appended to this document.

- 3. "The Right of Way Engineering Quality Assurance Check List", which is a thorough, item by item, check and review list for all RWE products (maps, deeds, easements, et al);
- 4. "Approval Sheet(s)", which are signing off documents (i.e. review and approval of documents) for R/W Appraisal Maps to be approved by: Project Development, R/W Utilities, and R/W Excess Lands;
- "Processes and Related Right of Way Engineering Products", which is an ordered list of Process/Products/Notes (WBS codes) that are the products of RWE;
- 6. "Right of Way Engineering Table of Contents" from Chapter 6, RIGHT OF WAY MANUAL (<a href="http://www.dot.ca.gov/hq/row/rowman/manual">http://www.dot.ca.gov/hq/row/rowman/manual</a>), which lists and defines the products and steps that lead to the final products of RWE;
- 7. "Right of Way Engineering Project Related Activities", which is an alternative flowchart from RWE.
- 8. "Combined RWE & Surveys Project Work Flow Diagram", which is a complex flow chart diagramming the interactions of Surveys and R/W Engineering from project inception to completion (post construction and monument and control maintenance activities).

## NORTH REGION QUALITY MANAGEMENT PLAN



## RIGHT OF WAY ENGINEERING PROJECT FLOW CHART OUTLINE<sup>1</sup>

- 1. Project Initiation:
  - A. Obtain information from the status book, design, maintenance, or construction. Review any project reports.
  - B. Create Hardship and Protection Parcel Maps as/if required.
  - C. Create Estimate Maps as/if required.
- 2. Create a Project File and Locate, Add, and File the following:
  - A. Obtain Assessor's Maps, and Record Maps (Record of Surveys, Parcel Maps, Tract Maps, etc.).
  - B. List the Assessor's Parcel Numbers that are affected.
  - C. Obtain copies of property ownership lists from the Assessor's Files.
  - D. Check the map files for any previous jobs in the Project Area that may apply to or impact the current Project.
- 3. Maps:
  - A. Obtain aerial photos and topographic maps.
  - B. Create an Assessor's composite map.
  - C. Visit the Project Site to compare maps to reality.
- 4. Issue a Survey Request (SR):
  - A. Prepare the maps necessary for the surveyor's use.
  - B. Prepare/calculate search coordinates for property and R/W corners.
  - C. Denote/list the property corners that need to be searched for and tied.
  - D. Visit Project Site to recover needed corners.
  - E. Meet with the surveyors to discuss the survey with regard to monumentation maps, recovered/recovery of points, and survey methodology.
- 5. Process returned Survey Data:
  - A. Using the data, delineate the property, and compute areas affected.
- 6. Prepare the Base Maps:
  - A. Assign parcel numbers and order the needed Title Reports.
  - B. Create parcel inventory sheets (IRWS).
- 7. Obtain/receive Right of Way requirements from Design:
  - A. Review Design right of way requirements for completeness.
  - B. Meet with designers to resolve any conflicts.
  - C. Overlay the R/W requirements on the Base Maps and compute the areas needed (for takings, et al).

<sup>&</sup>lt;sup>1</sup> Adapted from a District 02 document.

- 8. Appraisal Maps:
  - A. Prepare and send out Appraisal Maps.
  - B. Prepare/fill out Certificates of Sufficiency for Hazard Materials.
  - C. Send copies of the Appraisal Maps to Design for their review and approval.
  - D. Revise Appraisal Maps, if needed.
- 9. Final Deeds:
  - A. Write and Post Final Deeds with revisions if necessary.
- 10. Perform Condemnation Procedures.
- 11. Post Record Maps and associated documents for Public Display.

### **Processes and Related Right of Way Engineering Products**

Process	Products	Notes
Project Initiation Document (R/W Data Sheet)	Cost Estimate Mapping	WBS 150.15.05, CEM Memo
Draft Project Report (R/W Data Sheet)	Cost Estimate Mapping	WBS 160.10.40, CEM Memo
		Above should both be tied in with resource and scheduling (duration) estimates for RWE
Draft Project Report	Preliminary Land Net Map (Includes research, survey request, field work, and boundary determination)	WBS 160.20.25, 160.20.30, 160.20.35
Perform Right of Way Engineering	Survey Request (Includes research, corner records*,etc.)	WBS 220.05.05, 220.05.10
Perform Right of Way Engineering	Perpetuation Documents* (Includes field work and mapping)	WBS 220.05.10, 220.05.20, 220.05.25 * May be done by others
Perform Right of Way Engineering	Land Net Map	WBS 220.10
Perform Right of Way Engineering	Appraisal Maps, etc.	WBS 220.20.05, 220.20.15, 220.15.30, 220.15.35, 220.15.95
		Recognized need to work closely with Mapping Standards Team
Perform Right of Way Engineering	Acquisition Documents	WBS 220.20.05, 220.20.15
Perform Right of Way Engineering	Deed packages for Contract Obligations	WBS 220.25.05, 220.25.15, 220.25.95
Perform Right of Way Engineering	Revisions	WBS 220.30.05, 220.30.10

### **Processes and Related Right of Way Engineering Products**

Process	Products	Notes
Project R/W Certification	CTC Exhibits, Expert Witness	WBS 225.55.25, 245.55.25 (closeout cond.)
Tort Litigation	Expert Witness, Court Exhibits	Owner/Operator EA (researching)
PS&E Review	Review/Comment, Constructability Reviews	WBS 230.60 (60%), 255.05 (review/95%)
Perform Environmental Mitigation R/W Work	Appraisal Maps & Deeds for Mitigation Parcel(s) not covered under WBS 220/225	WBS 235.05.20 (QC/QA – same as 220)
Prepare Staking Notes	R/W Data (summaries, etc.) for inclusion in Survey File	WBS 255.35
		Need to develop QC checklist in conjunction w/ Construction Surveys Group

### **QUALITY ASSURANCE REVIEW**

PROJECT:		-
CONTRACT NO:		-
TASK:		-
SEGMENT:		-
JOB NO:		_
DATE:		-
ENTERED AND COM	IPUTED BY:	
COM	PILED BY:	
CHE	CKED BY:	
REVI	EWED BY:	

#### **QUALITY ASSURANCE CHECK LIST**

### LAND NET LOCATION Project – Caltrans Right-of-Way Engineering

<u>ITEM</u>	<u>(</u>	CALC'D	CHK'D	REVIEWED
Survey Plan Record Maps	<u>-</u>			
Existing Control	_			
Field Notes				
Cover Sheet				
Title	<u> </u>			
Job No.	_			
Equipment	<u>-</u>			
Crew	<del>-</del>			
Computation Sheets				
Horizontal Datum				
Controls Points Used	_			
Software				
Program				
Program				
Program Data File				
Doculto File	<del></del>			
Path	<u> </u>			
Disc/Tape Format	<del>_</del>			
Compare Closures with Allowable				
·	_			
Survey Report				
Survey Purpose				
Datum	_			
Methods	<u>-</u>			
Results	_			
Contract Deliverables				
Survey Report				
Calcs	<u> </u>			
Field Notes	_			
Basis of Survey	_			
Presentation of Materials				

### QUALITY ASSURANCE CHECK LIST TRAVERSE CALCULATIONS

**Project - Caltrans Right-of-Way Engineering** 

Control and Right-of-Way Enter Control Data Enter New R/W Data Enter Old R/W Data	CALC'D	CHK'D	REVIEWED
Field Survey Enter Field Data Reduce to Grid Compare with Field Data and Adjust, if necessary			
Record Data Taraverse Enter Record Data Reduce to Grid Compare with Field Data and Adjust, if necessary			
Parcel Break-Out Traverses Block/Deed Cahin Adjustment and Proportion Ownership Break-Out Parcel Take Area Remainder Area Easement Take Area, if necessary			
Contract Deliverables Computer Printout Reflecting, Parcel Number, Point Numbers, Bearings, Distances Curve Data, Coordinates, Closure and Areas			

Disc of Same, if necessary

<sup>\*</sup> Note: Normally traverse calculations will accompany the various maps, sketches and legal descriptions for parcels and will apper on an intergraph disc for that map, sketch or legal description.

# QUALITY ASSURANCE CHECK LIST HARD COPY MAPS Project - Caltrans Right-of-Way Engineering

Map Requirements Sheet Size (Varies) Title Block Point Listing	DRAWN	CHK'D	REVIEWED
Location Data Rancho, Meridian, Township Range, Section, subdivision, forest boundaries, property lines, and Base and Meridian if applicable. Section lines, corners, labeled. Subdivision with recordations data, lot, block, parcel. Street names, survey line, and widths (if uniform). Railroad names, rights-of-eay, withs and recordation data. Waterways names, rivers, creeks, washes, lakes etc. widths and reference data.			
Centerline Data Stationing, point numbers, curve data, bearings and distances.			
Land Net and Parcel Data Transfer traverse calculations data file, from each finished parcel. Easements to be acquired: numbered, dimensioned and labeled as to purpose. Existing easements involved in the project are to be shown and labeled. Parcels, numbers and ownership names. Areas: total holding, R/W requirements, remainder and excess.			
Analysis Decision			

#### HARD COPY MAPS (Continued)

ITEM Hard Copy Number NAD Coordinates Zone 5 Grid Factor 0:		
<ul><li>= Found Point</li><li>= Calc Point</li></ul>		
= Calc line = Grapic line Tract Boundary	 	
North Arrow		
Point Listing Area Point Number	 	
Northing Easting Description Level		
Point Listing Improvements Closure	 	
Point Number Curve Data, Bearing Distance		
Norhting, Easting Description		

<sup>\*</sup> A total take completely within the R/W may be described by its record demensions and the area corrcted if necessary by further calculation.

### QUALITY ASSURANCE CHECK LIST R/W AREA SHEET

### Project - Caltrans Right-of-Way Engineering

ITEM	DDAWN	רחאים	PEVIEWED
Map Requirements Sheet Size (22' x 36") Margins (RWM50 Format) Title Block Signatory Block	<u>DRAWN</u>	<u>СНК'D</u>	REVIEWED
Revision Block Quality Check Block Norht Arrow			
Location Data Streets, Name R/W			
Railroads, Name, Run Freeway, Name/No., R/W Parcels			
R/W Map Sheet Layout (dashed), and No.'s			
Parcel Identification Parcel No. and Owner Per Sheet			
<u>Title Block</u> Title: Area Map			
Bar Scale Map File Number Source, Charge, E.A.			
Revision Blocks Date, revision and descrition of change Revision by, checked by, date.			
References To other highway routes and map numbers of intersecting projects.			

### R/W AREA SHEET (Continued)

### <u>ITEM</u>

Signatory Blocks Dist, County, route, post mile, sheet no., total sheets. Signature Date Seal		
Quality Control Block Detailed Checked Traced Checked Hard Copy No.		

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### QUALITY ASSURANCE CHECK LIST R/W MAP SHEETS

### Project - Caltrans Right-of-Way Engineering

<u>ITEM</u>		CHIZID	DEVIEWED
Map Requirements Sheet Size (22'x36") Margins (RWM50 Format) Title Block Signatory Block Revision Block Quality Control Block	<u>DRAWN</u>	CHK'D	REVIEWED
Location Data  Rancho, Meridian, Township Range, Section Subdivision, forest, boundaries, property lines, and Base and Meridian if applicable. Section lines, corners, labeled.  Name of city, town: subdivision with recordation data, lot, block: city limit lines.  Street names, centerlines, R/W lines and widths (if uniform)  Waterways: rivers, creeks lakes, etc.  Railroad, name, rights-of-way and widhts.  Existing landmarks (by name), parks, schools, airports			
Centerline Data Stationing, curve data, bearings and distances, Post mile on centerline.			
Land Net and Parcel Data  Transfer traverse calculations data file, from each finished parcel.  Easements to be acquired: numbered, dimensioned and labeled as to purpose Existing easements involved in the project are to be shown and labeled.			
Access Information Current requirements, identified by access denial ticks. Acces rights previously acquired - labeled. Frontage roads. Grade seperation labeled. Acces openings: symbol, size ties to centerline.			

#### MAP SHEETS (Continued)

#### <u>ITEM</u>

	<u>DRAWN</u>	CHK'D	REVIEWED
Use of Details			
Use when needed to clarify demensioning			
Place close to parcel, or add note "See			
Detail 'A' ", etc.			
If not drawn to scale must be so labeled			
Repeat at least one parcel number and one			
dimension for reference.			
If necessary to rotate detai, use additional			
norht arrow.			
Ownership Record			
Prcel Numbers			
Grantors name tabulated in block.			
Areas Required: Remainder, total and excess.			
Recordation: Instr, date, O.R.			
Remarks: Easements to be acquired, area			
and purpose.			·
Map Background			
Grid ticks on field of drawing.			
Topography.			
Contours if needed.			
Basis of Bearing (when CCS used, included			
grid factors and zone)			
Norht arrow			·
Title Block			
Title: R/W Map			
Coordiante basis and combination factor.			
Bar scale.			
Map fiel number.			
Source, charge, E.A.			
Revision Block			
Date, revision and description of changes.			
Revision by, checked by, date.			
References			
To adjoining right-of-way maps if needed			
for clarity.			
To other highway routes and map numbers			
of intersecting projects.			

#### R/W MAP SHEET (Continued)

<u>ITEM</u>	DRAWN	CHK'D	REVIEWED
Signatory Block Dist., county, route, post mile,			
sheet no., total sheets. Signature			
Date Seal			
Quality Control Block Detailed Checked			
Traced			
Checked Hard Copy No.			

### QUALITY ASSURANCE CHECK LIST LEGAL DESCRIPTIONS

### Project – Caltrans Right-of -Way Engineering

<u>ITEM</u>	<u>PRP'D</u>	<u>CHK'D</u>	REVIEWED
<u>Title</u>			
Type or Name of Legal			
Parcel Number			
Preamble			
State			
City, County of Unincorporated Territory			
Of County			
Portion, all or of			
Subdivision, Plat, Document, Township			
Plat, Land Grant or Survey			
Name or Number			
Recording Date and Data			
D .			
Body Brist of Common and			
Point of Commencement			
Where Located			
Reference, Date, and Recording Data			
True Point of Beginning			
Correct Direction and Distances from			
Point of Commencement			
To/Along, Reference, Date, and			
Record Data to T.P.O.B.			
Call for Monuments			
Found or Set			
Natural			
Reference, Date and Recording Data			
Not Called for			
Tangent Direction			
To/Along Reference, Date and Recording Data			
Bearings (Direction, Degrees, Minutes			
and Seconds)			
Distances (Feet and Decimals) and 'Feet"			
Offset To/Parallel To			
Curve Direction			
Tangent/Non – Tangent			
Direction or Concavity			
Radius (Feet and Decimals) and "Feet"			
Direction Along Curve			

#### LEGAL DESCRIPTIONS (Continued)

<u>ITEM</u>	PRP'D	CHK'D	REVIEWED
Clauses  The sidelines of the here in above Describe strip of land shall be prolonged, Shortened and intersect, where necessary, to Create a continuous boundary and to terminate at aline.			
All as more particularly shown on Exhibit " ", attached hereto and by this refence made a part hereof.			
This legal was prepared by me, or under my Direction, in conformance with the Professional Land Surveyors Act.			
All bearings and distances shown hereon are based on the State of California, Zone 5, State Plane Coordinate System NAD83, Caltrans Adjustment. A combination factor of Was used to convert All ground distances directly to grid, as			
Shown hereon.			
Intent Meet Owner Criteria Meet Agency Standards			
Final Signatory Date Expiration Date Seal Signature			
Contract Deliverables Legal Description Sketch			

LEGAL DESCRIPTIONS (Continued)	CALC'D	CHKID	DEVIEWED
<u>ITEM</u>	CALCID	CHK'D	REVIEWED
Delta (Degree, Minutes, Seconds) Length (Feet and Decimals) and "Feet"			
Radial Bearing if Non-Tangent		·	
(Direction, Degrees, Minutes and Seconds) To/Along Reference, Date and			
Recording Data			
Ending			
Back to True Point of Beginning To a Point on a Line			
Reference, Date and Recording Data			
"Of" Descriptions Define Direction			
Offset Amount			
Portion Of Reference, Date and Recording			
"Strip" Descriptions			
Offset, Each Side of the Following Described Centerline			
Define True Point of Beginning And Terminus			
Reference, Date and Recording Data			
Cross Reference and Check Check Legal Against Record			
Maps and Documents			
Check Legal Against Traverse Closures and Sketch			
Punctuation			
All Capital Letters Check for Periods, Commas, Colons			
Semi-Colons and Dashes			
Area (If Required)			
Acres Squares Feet			
			<del></del>
Exceptions Reference Name, Date and			
Recording Data			
Buildings that Presently Exist			

### QUALITY ASSURANCE CHECK LIST DEEDS

#### Project - Caltrans Right-of-Way Engineering

ITEM			
Deed Forms	(Use Correct Form)		
Form No.			
RW 02-01	Grant Deed - Individual		
RW 02-02	Grant Deed - Individual - With Waiver		
RW 02-03	Grant Deed - Corporation - With Waiver		
RW 02-04	Grand Deed - Corporation		
RW 02-05	Highway Easement Deed - Individual		
RW 02-06	Highway Easement Deed - Corporation		
RW 02-07	Quitclaim Deed - Individual - With Waiver		
RW 02-08	Quitclaim Deed - Corporation - With		
100 02-00	Waiver		
RW 02-09	Quitclaim Deed - Corporation		
RW 02-10	Partial Realease of Mortgage (Fee)		
RW 02-11	Partial Realease of Mortgage (Easement)		
RW 02-12	Request for Partial Reconveyance		
RW 02-13	Waiver		
RW 02-14	Quitclaim Deed - Individual	<del></del>	
RW 02-15	Easement Deed - Individual	<u> </u>	
RW 02-16	Easement Deed - Corporation		
RW 02-17	Partial Reconveyance Under Trust		
	Deed		
RW 02-18	Partial Release of Mortgage (Corporation)		
RW 02-19	Director's Deed		
RW 02-20	Director's Deed (Quitclaim)	<del></del>	
RW 02-21	Director's Deed - Land Acquisiton	<del></del>	
100 02 21	Through Inadvertence or Mistake in		
	Descrioption in Deed	<del></del>	
RW 02-22	Director's Deed - Access Rights	<del></del>	
<del>-</del>	Opening		
RW 02-23	Director's Deed - Access Rights		
	Acquired by Inadvertence or Mistake		
	•		

### DEEDS (Continued)

ITEM	DRAWN	CHK'D	REVIEWED
Recording Requested By Name	<u> </u>	OTIKB	<u> </u>
Mail To			
Name Address			
Dist. CO. RTE District			
County			
Route			
Post Mile			
Parcel Number			
<u>Names</u>			
Grantor			
Grantee			
Purpose (Easements)			
City			
County			
Legal Description			
Preamble			
Body (Cross Check With Approved Parcel Legal)			
Suveyor's Clauses (If Necessary)			
Clauses			
Clausee DF, DFA, DFO (Axquire Abutter's Access Rights)			
DM Series (General Waiver Clauses)			
CF, CFO, CFNC (Extinguish Abutter's Access			
Rights by Condemnation)			
Rough Draft (Checks)			
E.A NO. Interstate, Yes No			
Map No.			
R.W. P.E	·		
Written by			
Checked by			

To: North Region, Office of Surveyors - Marysville

**Right of Way Engineering Branch** 

**ATTN: Robert Plumb** 

### **APPROVAL SHEET**

03-XXX-### KP ##.#-##.# 03-310-######

DRAWING Nos. R-####R## THROUGH R-####R## (## SHEETS) Dated 00/00/00

1. Signatures below certify Project Development has reviewed R/W Appraisal Map work prints. Appropriate action indicated by check mark.

### PROJECT ENGINEER'S APPROVAL

Project Engineer's Signature	Project Engineer's Name (Please Print)
BRANCH CHIEF'S APPROVAL	
Senior Transportation Engineer's Signature	Senior Transportation Engineer's Name (Please Print)

2. Describe below any corrections or changes required, or reason(s) for non-approval.

**Project Manager:** Dewey Cheetem

R/W Team Leader: Anne Howe

CC:

To: North Region, Office of Surveyors - Marysville

**Right of Way Engineering Branch** 

ATTN: K. C. Cogoman

R/W UTILITY COORDINATOR'S APPROVAL

### **APPROVAL SHEET**

03-XXX-## KP ##.#-##.# 03-310-######

DRAWING Nos. R-####R## THROUGH R-####R## (## SHEETS) Dated 00/00/00

1. Sign below and check appropriate line to indicate Right of Way Utilities approval of R/W Appraisal Map work prints.

Approved - Proceed to Final R/W Appraisal Map stage See Comments (insert comments in next section)		
Utility Coordinator's Signature	Utility Coordinator's Name (Please Print)	
R/W TEAM LEADER'S APPROVAL		
Senior R/W Agent's Signature	Senior R/W Agent's Name (Please Print)	

2. Indicate below any corrections or changes required – attach appropriate sheets as necessary.

Project Manager: <u>Dewey Cheetem</u>

Project Engineer: <u>I. Dunno</u>

CC:

To: North Region, Office of Surveyors - Marysville

**Right of Way Engineering Branch** 

ATTN: Corin R. Searcher

### **APPROVAL SHEET**

03-XXX-## KP ##.#-##.# 03-310-######

DRAWING Nos. R-####R## THROUGH R-####R## (## SHEETS) Dated 00/00/00

Sign below and check appropriate line to indicate Right of Way Excess Lands approval of R/W Appraisal Map work prints.

R/W Excess Lands Coordinator's A	PPROVAL
<ul><li>Approved - Proceed to Final R/W Appra</li><li>See Comments (insert comments in ne</li></ul>	
Excess Lands Coordinator's Signature	Excess Lands Coordinator's Name (Please Print)
R/W TEAM LEADER'S APPROVAL	
Senior R/W Agent's Signature	Senior R/W Agent's Name (Please Print)

Indicate below any corrections or changes required – attach appropriate sheets as necessary.

cc: Project Manager: Kanway Bildit

Project Engineer: Nidsum Halp

### **CHAPTER 6**

## RIGHT OF WAY ENGINEERING TABLE OF CONTENTS

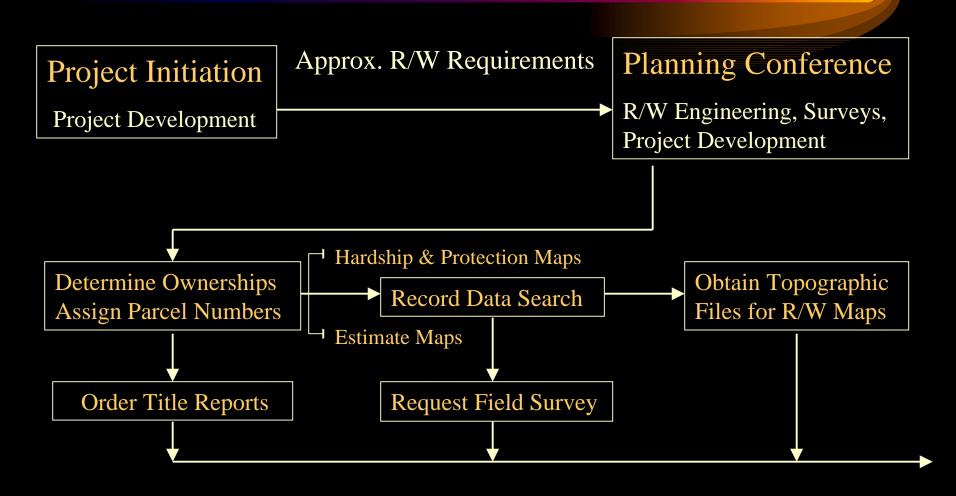
6.01.00.00	GENERAL
01.00	Scope
01.01	Project Engineering
01.02	R/W Engineering Drafting and Mapping
02.00	Maps for Federal Partidipation in R/W Costs
02.01	Project Sheet Maps
02.02	Total Acquisition Maps
02.03	Final Voucher Maps
03.00	Cost Estimate Maps
04.00	Freeway Lease Area Airspace Maps
05.00	Hardship Authorization Maps
05.01	Protection Authorization Maps
06.00	Witness in Condemnation
6.02.00.00	OWNERSHIPS, PARCELS, SUBPARCELS
01.00	General
02.00	Definitions
02.01	Ownership
02.02	Parcel
02.03	Subparcel
03.00	Numbering
03.01	Ownership
03.02	Parcel
03.03	Subparcel
03.04	Non-Right of Way Parcels
03.05	Cancellations
03.06	Additional Requirements
03.07	Ownership Splits
03.08	Ownership Mergers
03.09	Combining Parcels for Appraisals and Acquisition
04.00	Excess Land Numbering
04.01	Excess Land Parcel Numbers
04.02	Cross-Reference Parcel Number
04.03	Director's Deed Numbering
05.00	Title Reports
6.03.00.00	BOUNDARY DETERMINATION AND R/W REQUIREMENTS
01.00	General
02.00	Boundary Determination
03.00	New Right of Way Requirements
04.00	Minor Design Changes
05.00	Property Ties
6.04.00.00	APPRAISAL MAPS
01.00	General
01.01	Ownership Extension
01.02	Railroads

6.05.00.00	ACQUISITION DOCUMENTS
01.00	General
02.00	Document Forms
02.01	Document Numbering
02.02	Acquiring Fee Interest In Public Ways
02.03	License Signature Page
6.06.00.00	STANDARD CLAUSES FOR FREEWAY DEEDS
01.00	Classification of Clauses
02.00	"DF" SeriesAccess Only
02.01	DF-1 Fee or Easement Deeds
02.02	DF-2 Fee or Easement Quitclaim Deed
02.03	DF-3 Partial Reconveyance Under Trust Deeds
02.04	DF-4 Partial Release of Mortgage
02.05	DF-5 Conveying Property on One Side of Highway and Relinquishing Access Rights on Other
	Side
02.06	DF-6 Conveyance of Access RightsNo Property Acquired
03.00	"DFA" SeriesAppurtenant Rights Including Access Rights
03.01	DFA-1 Fee or Easement Deeds
03.02	DFA-2 Quitclaim DeedFee and Easement
03.03	DFA-3 Partial Reconveyance of Trust Deed
03.04	DFA-4 Partial Release of Mortgage
04.00	"DFO" SeriesFreeway and Frontage Road
04.01	DFO-1 Fee or Easement Deed
04.02	DFO-2 Quitclaim DeedFee or Easement
04.03	DFO-3 Partial Reconveyance of Trust Deed
04.04	DFO-4 Partial Release of Mortgage
05.00	Access Clause for Deeds from Railroads Applicable to Freeways and Expressways
05.01	For Southern Pacific Grade Separation Projects
05.02	For Railroads Other Than Southern Pacific
06.00	Temporary Access and Deferment Clauses for Deeds
06.01	Frontage Road Deferment Clause
06.02	Vehicular Separation Construction Deferment Clause
06.03	Temporary Railroad Detour
07.00	Reservation for Overhead and Underground Facilities
08.00	Oil, Gas and Mineral Reservations
09.00	"DM" SeriesMiscellaneous Clauses
09.01	DM-1 General Waiver for Deeds
09.02	DM-2 General Waiver for Easement Deeds
09.03	DM-3 (Reserved for Future Use)
09.04	DM-4 Reservation of Oil, Gas, Mineral or Water Rights, Etc., In Favor of State's Grantor
09.05 09.06	DM-5 Restricting Public Access to Private Property DM-6 Landlocked Remainders
10.00	"DM" SeriesCourt Orders
10.00	DM-7 Grantor is Executor of a Last Will and Testament, Administrator of an Estate, or
10.01	Administrator With the Will Annexed
10.02	DM-8 Grantor is the Guardian of the Estate of a Minor
10.02	DM-9 Grantor is Guardian of the Estate of an Incompetent or Insane Person
11.00	"DM" SeriesActual Possession
12.00	Slopes and Drainage Clauses
12.00	For Extension of Slopes and Drainage Structures Beyond Land Granted
12.01	For Right to Remove Slopes
13.00	Waiver
14.00	Deed Reservations for Irrigation Facilities
14.01	For Facilities 12 Inches in Diameter or Less and All High Pressure Lines

14.02	For Low Pressure Facilities in Excess of 12 Inches in Diameter
6.07.00.00	RESOLUTIONS OF NECESSITY
01.00	General
02.00	Preparation
02.01	Preamble
02.02	Legal Descriptions
02.03	Type of Title or Interest
02.04	Underlying Fee
6.08.00.00	STANDARD CLAUSES FOR FREEWAY CONDEMNATION
01.00	Classification of Clauses
02.00	"CF" Series
02.01	CF-1 Condemnation and Extinguishment of Existing Access Rights or Condemnation Where No
00.00	Access Rights Exist
02.02	CF-2 Condemnation and Extinguishment of Access Rights; Extinguishment of Access Rights Along Side Line of Existing Longitudinal or Cross Road or Street Beyond Parcel; Condemnation Where No Access Rights Exist
03.00	"CFO" Series
03.01	CFO-1 Condemnation for Freeway and Frontage Road
03.02	CFO-2 Condemnation for Freeway; Remainder to Abut on End of Stub Frontage Road
03.03	CFO-3 Condemnation for Freeway; Remainder to Have Access Above or Beneath Freeway to Existing Adjoining Longitudinal Street or Road
04.00	"CFNL" Series
04.01	CFNL-1 Condemnation of Access Rights Only
05.00	For Temporary Access and for Temporary Purposes Due to Highway Construction
05.01	Frontage Road Construction Deferment Clause
05.02	Vehicular Separation Construction Deferment Clause
05.03	Temporary Railroad Detour Easement
06.00	Access for Livestock Across Freeway Cattle Pass; Livestock and Agricultural Equipment Access Under Bridge; Maintenance is Owner's Obligation
07.00	Condemnation Improvement Clauses
07.01	Condemnation Improvement Removal Clause
07.02	Condemnation Improvement Severance Clause
6.09.00.00	FEDERAL LANDS
01.00	Map Application for Public Federal Lands
01.01	Congressional Grant of Right of Way for Highways (Unpatented Public Lands)
01.02	National Forest Lands
01.03	Surplus U.S. Lands
01.04	Indian Lands
02.00	Reversion of Excess or Superseded Portions of Right of Way Over U.S. Lands
03.00	Filing Application Maps
6.10.00.00	STATE LANDS
01.00	General
01.01	Map Application for State Sovereign Lands
01.02	Map Application for Vacant State School Lands
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6.11.00.00	VACATION
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02.00	Local Agency Consent
03.00	Status of Vacations
04.00	Legal Description
04.01	Utility Reservations
04.02	Access Restrictions
05.00	Scheduling Requests for Resolutions
06.00	Preparation of Requests
07.00	Recordation of Vacations
6.12.00.00	RELINQUISHMENTS
01.00	Policy
02.00	Numbering
03.00	Status of Relinquishments
04.00	FHWA Approval
05.00	Consent of Local Agency
05.01	Changes Subsequent to Agreement
06.00	Ramp Junction Limits
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07.01	Frontage Roads or Relocated Public Roads
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07.03	Access Restrictions
08.00	Scheduling Relinquishment Resolutions
09.00	Preparation of Requests
10.00	Processing
11.00	Recordation of Relinquishments
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6.13.00.00	DIRECTOR'S DEEDS
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03.01	Exceptions and Reservations to State
03.02	Access Clauses
03.03	Landlocked Parcels
03.04	Reversionary Clause for Conveyance for Public Purposes
03.05	Clause for Soil Instability Caused by State Highway Construction
03.06	Slope ClauseRight to Remove
04.00	Correctory Director's Deed
05.00	Director's Deed Maps
05.01	Parcel MapsExcess Lands
6.14.00.00	TRANSFER OF CONTROL AND POSSESSION
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02.00	Review of Record Maps
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05.00	Procedure for Making Public Records Available

## Right of Way Engineering Project Related Activities



### Right of Way Engineering

Project Related Activities (cont.)

